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PUBLISHED BY AUTHORITY

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No. 42] NEW DELHI, SATURDAY, OCTOBER 15, 1988 (ASVINA 23, 1910)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 15th October, 1988

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CORRIGENDUM

In the Gazette of India Part-III, Section-2 dated the 10th September, 1988 under the heading "Patent Sealed", delete 152068.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/1, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 7th September, 1988

746/Cal/88. Beloit Corporation. Extended nip press belt guide and method.

747/Cal/88. Nikolai Nikolaevich Kanshin Ussr and Viktor Alexeevich Lipatov. Rod for a surgical suturing instrument.

The 8th September, 1988

748/Cal/88. Sri Pradip Kumar Routh. Space Compass.

749/Cal/88. Hoechst Aktiengesellschaft. Water-soluble monoazo and disazo compounds, process for their preparation and their use as dyes. [Divisional dated 1st April, 1986].

750/Cal/88. Hoechst Aktiengesellschaft. Process for the preparation of water soluble monoazo and diazo compounds. [Divisional dated 1st April, 1986].

751/Cal/88. Institut Khimii Nefti Sibirskogo Otdelenia Akademii Nauk SSSR. Method of cleaning workpieces and an apparatus for carrying out the method.

752/Cal/88. Yen T Huang. Modular space framed earthquake resistant structure.

753/Cal/88. Degussa Aktiengesellschaft. Process for the catalytic conversion of off gases containing hydrocarbons, halogenated hydrocarbons and carbon monoxide.

754/Cal/88. P. H. Glatfelter Company. Smoking article wrapper and method of making same.

755/Cal/88. Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H.A. continuously advancing (non-stop) track maintenance machine

The 9th September, 1988

756/Cal/88. (1) Vsesojuznv Nauchno-Issledovatelskv Institut Glaznykh Boleznei Ussr (2) Institut Sverkhtverdykh Materiolov Akademii Nauk Ukrainskoi SSR. Microsurgery Scissors.

757/Cal/88. Trutzschler Gmbh & Co. Kg. A device at a carding machine, carding engine, cleaner or similar machines for the blending of card sliver or spunbonded tissue.

758/Cal/88. Trutzshler Gmbh & Co. Kg. A device at a carding machine, carding engine, cleaner or similiar machines for the blending of the card sliver or spunbonded tissue.

759/Cal/88. Neurosonics, Inc. Method and apparatus for translating the EEG into music to induce and control various psychological and physiological states and to control a musical instrument.

760/Cal/88. Promod Ranjan Rav. Electronic device for detecting inflammable gas.

The 12th September, 1988

761/Cal/88. Vsesojuznv Nauchno-Issledovatelskv Institut Glaznykh Boleznei and Institut Sverkhtverdykh Materialov Akademii Nauk Ukrainskoi SSR. Ophthalmological Device.

762/Cal/88. Ethicon, Inc. Gel formulations containing growth factors.

763/Cal/88. Ethicon, Inc. Stable lyophilized formulations containing growth factors.

764/Cal/88. Degussa Aktiengesellschaft. Vacuum furnace for the heat treatment of metallic workpieces.

765/Cal/88. Degussa Aktiengesellschaft. Process for the heat treatment of metallic workpieces.

766/Cal/88. Dunlop India Limited. A method of producing a flexible receptacle for collecting natural rubber latex from trees and cup lump and a receptacle produced by the method.

767/Cal/88. Nanigopal Jana. A process of preparing a homoeopathic medicine of the nosodes group Leukosisum.

768/Cal/88. Nanigopal Jana. A process of preparing a homoeopathic medicine of the nosodes group clarical marekinum.

769/Cal/88. Sven Svenning Konsult AB. Regulating device for maintaining constant the rotary speed in turbines.

770/Cal/88. Fabrique Nationale Herstal. Anti-vehicle Grenade.

771/Cal/88. Ukrainskv Institut Inzhenerov Vodnogo Khozyaistva USSR. Apparatus for separation of ferromagnetic materials from fluid media.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-5

The 22nd August 1988

717/Del/88. Uniroyal Chemical Co., Inc., "Impact resistant polyethylene terephthalate/polycarbonate blends".

718/Del/88. International Business Machines Corporation. "Cathode ray tube display apparatus with radiation reducing feature". (Convention date 25th March, 1988) (U.K.).

719/Del/88. Marathon Oil Co., & Tiorco Inc., "Method of treating heterogeneous formation with potassium hydroxide".

720/Del/88. Ivan Jaroslav Cyphelly, "A water pumping system including a suction ram".

The 23rd August, 1988

721/Del/88. Rajasthan Electronics & Instruments Ltd., "A milk fat analyzer".

722/Del/88. BP Chemicals Ltd., "Synthesis of glycerol from formaldehyde". (Convention date 29th August, 1987) (U.K.).

723/Del/88. Coal Industry (Patents) Ltd., "Coal briquetting process". (Convention date 16th September, 1987) (U.K.).

724/Del/88. The Procter & Gamble Co., "Substantially fluid-impervious microbubbled polymeric web and method and apparatus for making it",

725/Del/88. Union Carbide Corporation. "A process for the preparation of a catalyst". [Divisional date 17th December, 1985].

726/Del/88. BP Chemicals Ltd., "Laminated construction having strippable layers". [Divisional date 16th December, 1985].

727/Del/88. Uniroyal Chemical Co. Inc., "Arylenediamino substituted triazine".

The 25th August, 1988

728/Del/88. Lipha. Lyonnaise Industrielle Pharmaceutique, "Process for obtaining water-soluble polysaccharides".

729/Del/88. Macnaught Pty. Ltd., "Lubricant composition". (Convention date 25th August, 1987) (Australia).

The 26th August, 1988

730/Del/88. LUC Janssens, "Plant for tha preparation of high strentgh plaster".

731/Del/88. LUC Janssens, "Trough for soil irrigation and moistening".

732/Del/88. Paul Wurth S.A., "Automatic lance changeover device".

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600002

The 29th August, 1988

602/Mas/88. Kochupurackal Rajasekaran Raveendranath. "Inno-Visions" desk cricket.

603/Mas/88. Maschinenfabrik Rieter AG. Method of and apparatus for introducing a roving into a textile machine drafting frame.

604/Mas/88. Aardelite Holding B.V. Hardening granulated material at elevated temperatures. (July 7, 1988; Australia).

605/Mas/88. Regulin Limited. Veterinary Composition. (August 28, 1987; Australia).

606/Mas/88. Tri-Steel Industries Inc. Metal wire spacer for use in the bundling of nested stacks of metal pieces. (April 11, 1988; Canada).

The 30th August, 1988

607/Mas/88. Cathira Balasingam. Balasingams Pedal System.

608/Mas/88. Akebono Brake Industry Co., Ltd. Method for forming a piston having a peg.

609/Mas/88. Institut National De La Recherche Agronomique (INRA); Institut Pasteur & Commissariat A L'Entergieatomique (CEA). DNA Molecular probes specific of the male genome of ruminants, particularly of the sub-family of the bovines.

610/Mas/88. Bespak PLC. Collapsible chamber metering valve. (September 7, 1987; United Kingdom).

611/Mas/88. Dexter Biotechnics, Inc. Pharmaceutical Compositions for the Treatment of Psoriasia.

The 31st August, 1988

612/Mas/88. Takeda Chemical Industries, Ltd. Agro-chemical Composition.

613/Mas/88. Takeda Chemical Industries, Ltd. Stabilized Agrochemical Composition.

The 2nd September, 1988

614/Mas/88. Arild Nilsen. Fire Escape Ladder.

615/Mas/88. Air Products and Chemicals, Inc. Catalysts for Absorptive Air Separation.

616/Mas/88. The Plessey Company plc. Telecommunications digital switch. (November 13, 1987; United Kingdom).

617/Mas/88. Union Carbide Corporation. Hydrocracking catalysts and processes employing non-zeolitic molecular sieves.

ALTERATION OF DATE

163586 Ante dated to 9th February, 1982.
(38/Del/85)
163590. Ante dated to 10th February, 1982.
(604/Del/85)

PATENTS SEALED

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RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 154881 dated the 13-11-1979 made by Cummins Engine Company Inc., on the 6-11-1987 and notified in the Gazette of India, Part III Section 2 dated the 9-4-88 has been allowed and the said Patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 152394 dated the 16-3-1981 made by Widia (India) Limited, on the 12-10-1987 and notified in the Gazette of India, Part III, Section 2 dated the 5-3-1988 has been allowed and the said Patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 147456 dated the 2-11-1977 made by O&K Orenstein & Koppel Aktiengesellschaft Werk Lubeck on the 2-11-1987 and notified in the Gazette of India, Part III, Section 2 dated the 9-4-1988 has been allowed and the said Patent restored.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 159495. Hawkins Cookers Limited, of F-101, Maker Towers, P.O. Box-16083, Cuffe Parade, Bombay-400005, Maharashtra, India, an Indian Company. "FRY PAN". 16th March, 1988.

Class. 1. No. 159814. Freemans Measure Private Limited, Ferozepore Road, Ludhiana-141 001, State of Punjab, India. "Measure Tape Case". 14th June, 1988.

Class. 1. No. 159867. Nagar Andhal Anantharaman Naidu Proprietor, Sri Ananda Type Foundry, Koppikar Road, Hubli, Karnataka, Indian National. "The Type Founts". 22nd June, 1988.

Class. 3. No. 159463. Messrs Classic Collections Sole Proprietory Concern, whose address is 216-C, Mayur Building, Sodawala Lane, S.V.P. Road, Borivli (West), Bombay-400 096, in the State of Maharashtra, within the Union of India. "Powder". 7th March, 1988.

Class. 3. Nos. 159556 & 159557. Dunlop India Limited, an Indian Company, of 57B, Mirza Ghalib Street, Calcutta-700016, West Bengal, India. "TYRE". 30th March, 1988.

Class. 3. No. 159661. Airwick Industries, INC., a New Jersey Corporation, of 111 Commerce Road, Carlstadt, New Jersey 07072, United States of America. "Dispenser for an air freshner". 2nd May, 1988.

Class. 3. No. 159760. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700 071, West Bengal, India. "Cycle Lamp". 30th May, 1988.

Class. 3. No. 159813. Freemans Measures Private Limited, Ferozepore Road, Ludhiana-141 001, State of Punjab, India. "Measure Tape Case". 14th June, 1988.

Class. 3. No. 159847. Universal Simetrics Corporation, a New Jersey Corporation, of 292 Fort Plains Centre, Howell, New Jersey 07731, United States of America. "Bottle". 16th June, 1988.

Class. 3. Nos. 159868 & 159869. Usha Industries 4/301, Sonawala Estate, I. B. Patel Road, Goregaon (East), Bombay-400 063, State of Maharashtra, India. "Thermic Insulated Water Bottle". 22nd June, 1988.

Class. 3. No. 159871. Anjali Products, 170 Bombay Talkies Compound, Malad (West), Bombay-400 064, State of Maharashtra, India. "A cassette Stand". 22nd June, 1988.

Class. 3. No. 159947. Rannyware Industries, 3C/239, N.I.T. Faribadad (Haryana), India, a proprietorship firm. "Plate". 14th July, 1988.

Class. 4. Nos. 158715 & 158716. National Industrial Corporation Limited (Unit : Ajudhia Distillery), a company registered under the Companies Act, 1956, Flat No. 8, Khan Market, New Delhi-110 003, India. "Bottle". 21st August, 1987.

Class. 4. Nos. 159565 & 159566. Kirit Sheth, Indian National, of 44 Mint Road, Fort, Bombay-400 001, Maharashtra State, India. "Bottle". 5th April, 1988.

Class. 5. No. 159389. Asian Slate Industries, of Moti Talao Road, Match Factory Compound, Bhavnagar, 364004, Gujarat State, India. "Slates". 10th February, 1988.

Class. 12. No. 159945. Munch Food Products Pvt. Ltd. D-992, New Friends Colony, New Delhi-110065, India, a company incorporated under the Indian Companies Act. "Chocolate". 14th July, 1988.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

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CLASS : 189 & 170 B. 163581

Int. Cl. : C 11 d-7/02.

"A METHOD FOR THE MANUFACTURE OF FREE FLOWING, SPRAY DRIED BASE BEADS FOR DETERGENT."

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STAE OF DALEWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors : JOHN JEROME GRECSEK, SUE WILSON GIORDANO & SEYMOUR GREY.

Application for Patent No. 108/Del/1982 filed on 10th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A method for the manufacture of free flowing, spray dried base beads, useful for manufacture of particulate built synthetic nonionic detergent products, which, due to the presence of the bentonite therein leave lesser amounts of deposits after rinsing on fabrics washed with such products, compared to fabrics washed with products from which bentonite is omitted, which comprises spray drying a crutcher mix containing from 40 to 75% of solids in an aqueous

medium, said solids containing by weight from 15 to 30% of sodium carbonate, 10 to 20% of sodium bicarbonate 10 to 50% of water softening aluminium silicate, 0 to 18% of sodium silicate and 1 to 20% of bentonite and/or 0.05 to 2% of polyacrylate of molecular weight in the range of 1000 to 5000, and during such spray drying decomposing an amount of such as herein described of sodium bicarbonate present therein to sodium carbonate.

Compl. specn. 62 pages.

CLASS : 32F1 & 2 (b) 163582

Int. Cl. : C 07 d 91/00.

"A PROCESS FOR PRODUCING NOVEL HETEROCYCLE COMPOUNDS".

Applicant : ALBERT ROLLAND S. A., OF 49, RUE SAINT ANDRE DES ARTS, 75006 PARIS, FRANCE, A FRENCH COMPANY.

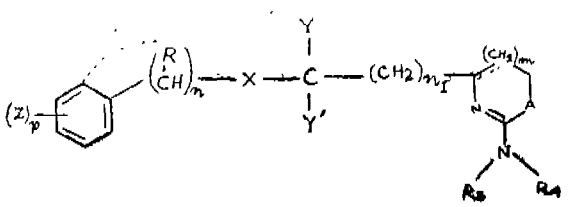
Inventors : GERARD MOINET, MISHEL SCHAEFER, PIERRE BESSIN AND JACQUELINE BONNET.

Application for Patent No. 133/Del/84 filed on 15th February, 1984.

Appropriate office for opposition proceeedings (Rule 4, Patents Rul es, 1972) Patent Office Branch, New Delhi-5.

2 Claims

A process for producing novel heterocyclic compounds of formula 1



Formula I

wherein Z is a hydrogen, a halogen, a lower alkyl radical, a lower alkoxy radical, a trifluoromethyl, a trifluoromethoxy, a cyano group, a nitro group, a carboxyamido group, a lower alkenyl radical, a lower alkylthio radical, a lower alkyne dioxy radical, a lower cyclo alkenyl radical, or a lower cycloalkyl radical wherein 'lower' means 1 to 6 carbon atoms in straight or branched chain, X is an oxygen, a sulphur atom or an imino group of the formula N-R1 wherein R1 is hydrogen, a lower alkyl radical an acyl residue derived from an organic carboxylic or sulphonic acid; a methylene group or a direct bond, Y is a hydrogen, a lower alkyl radical, a phenyl radical, a substituted phenyl radical, a hydroxy or a phenoxy radical Y^1 is a hydrogen

or Y and Y^1 together are an oxygen

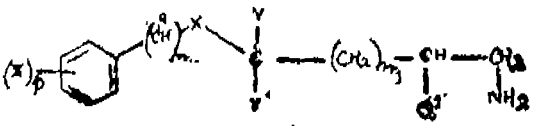
or Y forms with the adjacent phenyl ring, when R is zero, a bicylic-homo-or heterocyclic, saturated or unsaturated structure

A is a group NH or a sulphur atom

R_3 and R_4 are both hydrogen when the cyano iminating reagent is a cyanogen halide or R_3 and R_4 are hydrogen, and/or a lower alkyl, a lower alkenyl, an aryl lower alkyl, a hetero lower alkyl, an aryl, an alkoxy carbonyl or an acyl radical from an organic carboxylic acid having 1 to 10 carbon atoms or R_3 and R_4 are together with the nitrogen atom an alkylene chain R is a hydrogen, a lower alkyl radical having 1 to 6 carbon atoms in straight or branched chain a phenyl radical or a phenylene radical lined to the adjacent phenyl ring by an alkylene chain having 1 or 2 carbon atoms

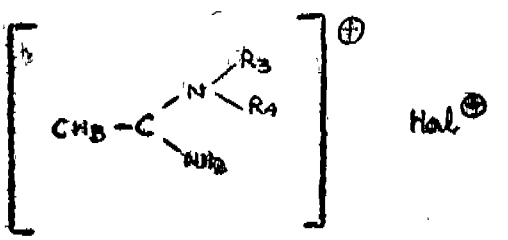
n is zero or 1
n^1 is zero, 1 or 2
m is zero,
p is 1, 2 or 3

and the dotted line symbolizes an optional carbon carbon double bond said process comprising condensing an amino ethane derivative of the compound of formula IX



Formula IX

wherein the substituents R, X, Y, Y^1 n, n^1 p and Z have the above given definition and Q^1 is a SH radical or an amino group, with a carbo iminating reagent selected from the group consisting of a cyanogene halide and a S-methyl thiouronium halide of the formula IIA



Formula IIA

wherein R_3 and R_4 have the above given definitions and recovering a compound of formula 1 wherein R, X, Y, Y', Z, m, n, N^1, A, R_3, R_4 and p have the above given definitions and if desired converting the compound of formula 1 into a pharmaceutically acceptable acid addition salts by reacting with a mineral or organic acid or resolved in any known manner into their optically active isomers by reacting with a chiral reagent.

Compl. specn. 36 pages. Drgs. 7 shetes

Class : 32 F 3(A). 163583

Int. Class : C 07 c - 69/00.

"PROCESS FOR PRODUCING ESTERS OF ALKYL DIGLYCOL ETHERS".

APPLICANT : BP CHEMICALS LIMITED, of Belgrave House, 76 Buckingham Palace Road, London SW1W OSU, England, a British Company.

INVENTOR S : BARRY HUDSON.

Application for Patent No. 160/DEL/1984 filed on the 23rd February, 1984. Convention date March 09, 1983 (8306530)/(U.K.).

Appropriate office for filing opposition proceedings (Rules, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(7 claims)

A process for producing an ester of alkyl diglycol ether of the formula R_1--O-(R_2)x--O-(R_3)y-O-CO-Rin which R_1 s a C_1-C_4 alkyl group, each of R_2 and R_3 represent the same or different straight or branched chain alkylene group, and each

of x and y represent an integer from 2 to 4, and R is selected from an ethyl group, a propyl group, R_1-O-$(R_2)_x$-O-$(R_3)_y$-O-CO- and C_nH_{2n}-R_1-O-$(R_2)_x$-O-$(R_3)_y$-O-CO- wherein n is an integer between 1 and 8 and R_1, R_2, R_3, x and y have the same notation as above, said process comprising reacting an alkyl diglycol ether with excess of a carboxylic acid of the kind such as herein described in the presence of an esterification catalyst of the kind such as herein described.

(COMPLETE SPECIFICATION 16 PAGES)

CLASS : 32 F_8 (a) & 140 B^1 163584

Int. Cl. : C 10 m 5/12, 5/22.

A METHOD OF PREPARING METAL SALTS OF DIAKYLPHOSPHORODITHIOIC ACIDS.

Applicant : THE LUBRIZOL CORPORATION, A CORPORATION OF THE STATE OF OHIO, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO, 44092 U. S. A.

Inventor : CALVIN WILLIAM SCHROECK.

Application for Patent No. 491/Del/84 filed on 15th June, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005

10 Claims

A process of preparing a metal salt of diakylphosphorodithioic acids wherein :

(A) the alkyl groups each contain from two to four carbon atoms and at least one alkyl group is a butyl group,

(B) the total number of carbon atoms per phosphorus atom is less than 8,

(C) from 30 to 90 mole percent of the alkyl groups are primary alkyl groups,

(D) from 10 to 70 mole percent of the alkyl groups are secondary alkyl groups, and

(E) the metal component of the salt is a zinc, copper, iron or calcium so that the resultant metal salt is a zinc salt, copper, salt, iron salt or mixtures thereof or a mixture of calcium salt and one or more of said metal salts;

provided that when only 2 alkyl groups are present, from 30 to 80 mole percent of the alkyl groups are n-butyl groups from 20 to 70 mole percent of the said alkyl groups are isopropyl groups which comprises reacting one more of phosphorus pentasulfide with from 1 to 4 moles of a mixture of aliphatic alcohol wherein the type and amount of each alcohol present in the mixture are selected to provide the metal salt having the characteristics of A through E, and reacting the resulting phosphorodithioic acids with a metal neutralizing agent such as herein described to obtain said metal salt.

Compl. specn. 31 pages.

Class : 32E. 163585

Int. Class : B01j 11/00.

A process for producing olefin polymerization pro-catalyst.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., OF Carel van Bylad laan 30, 2596 HR, The Hague, a Netherlands Company.

Inventor : ROBERT CHARLES JOB. and KENZIE NOZAKI

Application for Patent No. 699/Del/84 filed on 6th September, 1984.

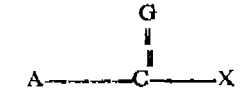
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-11000 5.

(CLAIMS 7)

A process for producing an olefin polymerization procatalyst comprising

(a) halogenating a magnesium compound of the formula $MgR'R''$ where R' is an alkoxide or aryloxide group and R'' is an alkoxide or aryloxide group or halogen, with a tetravalent titanium halide in the presence of a halohydrocarbon such as herein described and an electron donor such as herein described thereby forming a halogenated product;

(b) contacting said halogenated product with thionylchloride or with an acid halide or the formula



where A is an alkyl, aryl, substituted alkyl, or substituted aryl group and X is a halide at a temperature of 40 to 140°C;
(C) contacting the product of step (b) with a tetravalent titanium halide at a temperature of 40 to 140°C, either simultaneously with or subsequent to contacting step (b).

(COMPLETE SPECIFICATION 16 PAGES)

CLASS : 163586

Int. $Cl.^4$: C 07 D 499/00.

"A PROCESS FOR PREPARING 1, 1-DIOXOPENICILLANOYLOXYMETHYL 6-(2-AMINO-2-PHENYLACETAMIDO) PENICILLANATE OR A PHARMACEUTICALLY ACCEPTABLE ACID ADDITION SALT THEREOF".

Applicant : PFIZER INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STATES OF NEW YORK, UNITED STATES OF AMERICA.

Inventor : VYTAUTAS JOHN JASYS.

Application for Patent No. 38/Del/85 filed on 21st January, 1985.

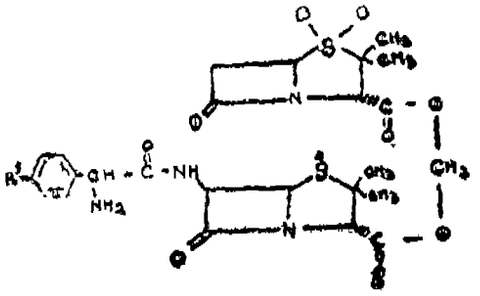
Ante-dated to 9th February, 1982.

Divisional to application No. 102/Del/82 filed on 9th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

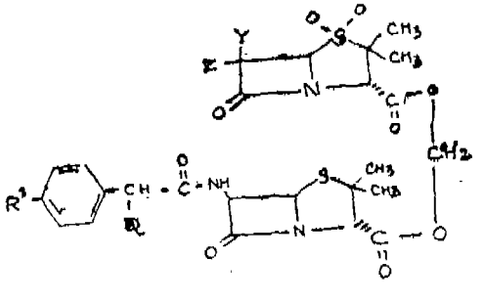
5 Claims

process for preparing 1, 1-dioxopenicillanoyloxymethyl 6-(2-amino-2-phenylacetamido penicillanates of Formula II



Formula II

or a pharmaceutically acceptable acid addition salt thereof; wherein R^1 is H or OH, characterised in that a compound of formula I



Formula I

wherein R^1 is as defined above, Q is N_3 or $NHCO_3CH_2C_6H_4R^4$ where R^4 is H, Cl, Br, NO_2 CH_3 or OCH_3; Y and Z are each Cl, Br or I, or Y is H and Z is Cl, Br or I; is reacted with hydrogen in the presence of a noble metal catalyst and a reaction inert solvent of the kind such as herein described and if desired converting the thus obtained compound into a pharmaceutically acceptable acid addition salt by any known method.

(Complete specification 45 pages Drawing 4 sheets).

CLASS : 189. 163587

Int. Cl. : C 11 b 9/00.

A PROCESS FOR THE PREPARATION OF CYCLIC ACETALS AND KETALS OF P-MENTH-1-ENE-4, 8-DIOL (1, 3-DIOXOLANES) FROM P-MENTH-1-ENE-4, 8-OXIDE (TERPINOLENE OXIDE).

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

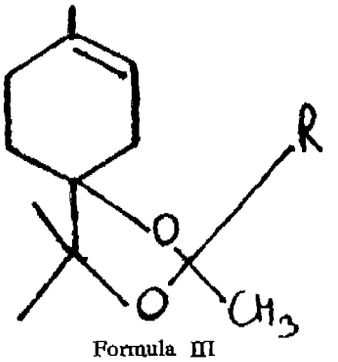
Inventors : KAMBADUR NAGARAJARAO GURUDUTT & BHAGAVATHUAL RAVINDRANATH.

Application for Patent No. 159/Del/85 filed on 27th February, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

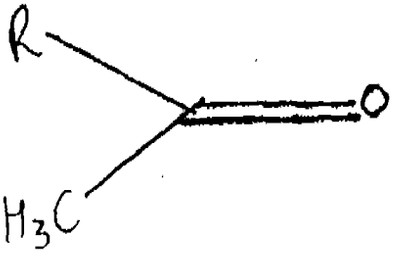
3 Claims

A process for the preparation of novel cyclic acetals and ketals of p-menth-1-ene-4-, 8 diol of the formula (III)



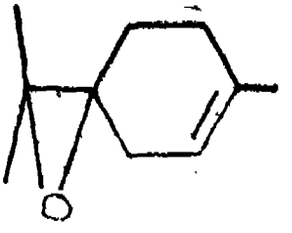
Formula III

of the drawings where R is hydrogen or alkyl which comprises reacting p-menth-1-ene-4, 8 oxide of the formula (II)



Formula II

with an appropriate carbonyl compound of the formula (I)



Formula I

where R has the meaning given above in the presence of an acid catalyst at a temperature in the range of 0°—25°C.

Compl. specn. 8 pages. Drg. 1 sheet

CLASS : 163588

Int. Cl.[4] : C10L 1/32.

AN IMPROVED PROCESS FOR PRODUCTION OF FLUID, PUMPABLE, NON-SETTILING CONCENTRATED WATER BASED SLURRY FUEL.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : MURARI CHAKRABORTI, TARUN KANTI BHOWMIK, SANTOSH KUMAR CHANDA, MITHILESH PRASAD, SATINATH MAZUMDAR.

Application for Patent No. 248/Del/85 filed on 23 March, 1985

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

An improved process for production of fluid pumpable, non-set tiling concentrated water based slurry fuel from one or more solid fuels such as coal, lignite, charcoal, solvent, refined coal, beneficiated or demineralised coal or the like which comprises, grinding one or more of aforesaid solid fuels to the particle size such that 70 to 90% weight percent passing through 200 B. S. S. mesh (below 75 microns) and 50 to 60 weight percent passing through 300 B. S. S. mesh (below 53 microns) mixing the same with water under constant stirring at PH between 6—8 along with one or more deflocculating or dispersing agents selected from sodium amonium or magnesium salt of lignosulphonic acid and/or alkyl napthalene sulphonic acid and/or non-ionic surfactants such as propoxylated, ethoxylated ethylene diamine or propylene glycoal or nonylphenoxy polyethylene oxyethanol and stabilizers selected from water soluble resins and/or polymers like cutch extract and/or myrobalan tannin and/or xenthon gum and/or guar gum and/or polyacrylamide.

The slurry can be used as a subsitute for petroleum based fuel oil

Compl. specn. 12 pages.

CLASS 55 D. 163589

Int. Cl. : A 01 n 25/00.

"A PROCESS FOR PREPARING DIPHENYLETHER OXIME ESTER DERIVATIVES".

Applicant : PPG INDUSTRIES, INC. A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF PENNSYLVANIA, OF ONE PPG PLACE, PITTSBURGH 22, STATE OF PENNSYLVANIA. UNITED STATES OF AMERICA.

Inventors : DENNIS KEITH KRASS & HORNG JAU LIN

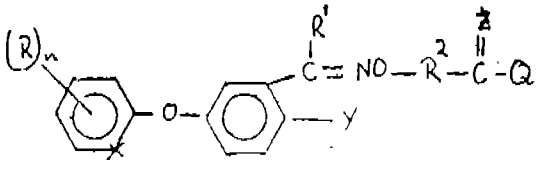
Application for Patent No. 280/Del/85 filed on 1st April, 1985.

Post date to 12th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for preparing diphenyl ester oxime ester derivatives of the Formula I



Formula I

wherein

X is - CH - or - N-;

Y is nitro, halo or cyane;

Z is oxygen or sulphur;

R is halo, nitro, cyane alkyl, haloalkyl, alkylthio, haloalkylthio, alkoxy, haloalkoxy, sulfonamide, dialkylsulfonamide, alkyl sulfonyl, haloalkyl sulfonyl, alkylsulfinyl or haloalkylsulfinyl of the kind hereinbefore described; and n is 1, 2 or 3;

R^1 is hydrogen, halo cyane, alkyl, haloalkyl, cyanoalkyl, alkoxy, haloalkoxy, cyanoalkoxy, alkylthio, haloalkylthio, cyanoalkythio, mono or dialkylamine, alkylthioalkyl, mono or dialkylaminoalkyl;

R^2 is C_1 to C_6 alkylene or alkenyl that may be substituted by alkyl, haloalkyl, cyanoalkyl or hydroxy; and

Q is $-OR^3$ or $-SR^3$ wherein R^3 is alkoxyalkyl, thialkyl, cyanoalkyl, cycloalkyl, hydroxyalkyl carboalkoxyalkyl, alkylthioalkyl, aralkyl, sulfonamide, or a 4 to 6 membered heterocyclic ring containing up to 3 hetero atoms or alkyl substituted by a heterocyclic ring containing up to 3 hetero atoms characterized in that a compound of the Formula III wherein R, R^1, X, Y and n are as define above and M is either;

$$R^2\text{--}\overset{Z}{\overset{\|}{C}}\text{-}G^1\text{-}$$

wherein R^2 and Z are as defined above and G^1 is a fagile leaving group or is OR^6 or SR^6 wherein R^6 is lower alkyl

or G is H

is reacted with a compound of the formula IV

$$H_m\,(Hal)\,R^2\,\overset{Z}{\overset{\|}{C}})_{m-1}\text{-}Q$$

wherein Hal is Cl, Br or I, R^2, Z and Q are as defined above and m is 0 or 1 provided that m is 1 when G is

$$\text{-}R^2\text{C-}\overset{Z}{\overset{\|}{G^1}}$$

and m is 0 when G is H.

(Complete specification 18 pages. Drawings 2 sheet).

CLASS : 163590

Int. Cl.[4] : C 11 D 1/66, 3/02, & 7/02.

A DETERGENT COMPOSITION.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventor : JOHN JEROME GRECSEK AND SUE WILSON GIORDANO AND SEYMOUR GRAY.

Application No. 604/Del/85 filed on 29th July, 1985, Divisional to Application No. 108/Del/82 filed on 10th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A detergent composition which comprises a free flowing, spray dried beads having absorbed in the nonionic detergent so that the percentage of such nonionic detergent in the composition is within the range of 8 to 30%, said beads having by weight from 15 to 30% sodium carbonate, 10 to 22% of sodium bicarbonate; 10 to 50% of water softening aluminium silicate, 0 to 18% of sodium silicate and 1 to 20% of bentonite and/or 0.05 to 2% of polyacrylate of

aluminium silicate, 0 to 18% of sodium silicate and 1 to 20% of bentonite and/or 0.05 to 2% of polyacrylate of molecular weight in th erange of 1,000 to 5,000.

Useful for the manufacture of built non-ionic detergent composition.

Compl. specn. 63 pages.

CLASS : 119-E. 163591

Int. Cl. : D 03 d 49/12; D 03 d 51/28.

ARRANGEMENT FOR TENSION CONTROL AND SUPERVISION OF INDIVIDUAL WARP THREADS ON A LOOM, PARTICULARLY A CIRCULAR LOOM.

Applicant & Inventor : FRANZ XAVER HUEMER OF SONNENUHRGASSE 4, 1060 VIENNA, AUSTRIA.

Application No. 154/Cal/84 filed March 5, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

Arrangement for tension cotrol and supervision of individual warp threads on a loom, particularly a circular loom, comprising a two-armed movable lever, which is swievel-supported on the loom and which is held by a warp thread, found in stretched state and guided through a yarn guiding evelet on the one movable, lever arm, countering the effect of a spring means which engages on the lever arm that is free of evelet, and which is in a regulating position, which compensates the alternating tension on the warp thread, with the movable lever closing electric circuit when brought into signal position as a result of the unstretched or mission warp thread, characterised in that the movable lever arm comprises a spring wire, the evelet-free lever arm of which stands in the regulating position of the movable lever on a stop and of which the carrying arm with the evelet-free lever arm of which stands in the regulating position of the movable lever on a stop and of which the carrying arm with the evelet bends under increasing tension in the direction of withdrawal of the warp thread, and that at least one further stop is disposed in the deflection path of the arm carrying the eyelet, in order to vary the deflection characteristics thereof.

Compl specn. 19 pages. Drgs. 2 sheets

CLASS : 69-A. 163592

Int Cl. : B 60 t 17/00.

A PROCESS FOR MANUFACTURING A CONTACT OF VACUUM INTERRUPTER.

Applicant : KABUSHIKI KAISHA MEIDENSHA OF 17 OHSAKI 2-CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

Inventors : 1. YOSHIYUKI KASHIWAGI, 2. YASUSHI NODA, 3. KAORU KITAKIZAKI.

Application No. 700/Cal/84 filed September 28, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process for manufacturing a contact of a vacuum interrupter which comprises the steps of :

producing a porous matrix consisting essentially of between 15 and 60% by weight chromium, between 10% and 35% by weight iron, between 0.5 and 15% by weight carbon, and between 0.5 and 15% by weight silicon, the total proportion of these elements amounting to between 26 and 71% by weight of the finished product, the said mixture of these elements being heated at a temperature below the melting point of silicon under a nonoxidizing atmosphere resulting in a porous matrix in which particles of the said elements are diffusively bonded; impregnating the porous matrix with between 29 and 74% by weight copper on the basis of the finished product under a nonoxidizing atmosphere; by holding said copper at a temperature above its melting point but below the melting point of porous matrix thereby allowing copper to infiltrate into porous matrix and machining the resultant material after cooling.

Compl. Specn. 20 pages. Drgs. 2 sheets.

CLASS : 32-B. 163593

Int. Cl. : C 10 g 37/00.

HYDROCARBON PRETREATMENT PROCESS FOR CATALYTIC CRACKING.

Applicant : STONE & WEBSTER ENGINEERING CORPORATION, OF 245 SUMMER STREET, BOSTON, MASSACHUSETTS 02107, UNITED STATES OF AMERICA.

Inventors : 1. ROBERT I. GARTSIDE, 2. AXEL R. JOHNSON, 3. JOSEPH L. ROSS, 4. DENNIS A. DUNCAN, 5. EDWIN J. BASSLER.

Application No. 170/Cal/85 filed March 6, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A process for pretreating heavy hydrocarbon feedstock for use as a feed in the catalytic cracking production of liquid hydrocarbon fuels comprising the steps of :

(a) delivering the hydrocarbon feedstock to a tubular thermal-pretreating reactor;

(b) delivering hot particulate solids at temperatures upto 1800°F and made of particulate solids obtained by combusting the carbon formed on the particles during the pretreating reaction and delivering the particulate solids to the tubular thermal-pretreating reactor;

(c) vaporizing the heavy hydrocarbon feedstock at temperature between 1050°F and 1200°F; and a residence time of 0.05 to 0.20 seconds, optionally at a pressure below 350 psig separating the solid from gaseous products of reaction and optionally subjecting the pretreated gaseous product to catalytic cracking in a cracking reactor.

Compl. Specn. 23 pages. Drgs. 4 sheets.

CLASS : 32-F_8. 163594

Int. Cl. :C 07 d 1/00 to 7/00, 9/00.

A PROCESS FOR THE PRODUCTION OF RODENCAMOMILE EXTRACTS RICH IN FLAVONES.

Applicant : DEGUSSA AG., OF RODENBACHER CHAUSSE 4, D-6450 HANAU 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. OTTO ISAAC, 2. REINHOLD CARLE, 3. BERND DOLIE.

Application No. 128/Cal/85 filed February 22, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for the production of camomile extracts rich in flavones, characterised in that camomile wing petals and a camomile drug are subjected to extraction in a solvent therefor such as herein described.

Compl. Specn. 9 pages. Drg Nil.

CLASS : 136-L. 163595

Int. Cl. : B 29 c 3/00; B 29 d 7/00; 23/00. B 29 g 1/00.

METHOD AND APPARATUS FOR MOULDING PREFORMED MATERIALS INTO AN ARTICLE.

Applicant : JOHN WARWICK ELLEMOR, OF CNR. MAIN ROAD. AND ONE TREE HILL ROAD, FERNY CREEK, IN THE STATES OF VICTORIA, COMMONWEALTH OF AUSTRALIA.

Inventor : JOHN WARWICK ELLEMOR.

Application No. 216/Cal/85 filed March 22, 1985.

Convention dated 27th March, 1984 (PG 4268) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims

A method of moulding preformed material such as hereinbefore described into an article with a forming element in which the material is moulded by being stretched to a position adjacent the forming element, and, while the material is being so moulded, fluid is introduced at a sufficient pressure to act as a barrier between the material and the forming element, said stretching and said barrier fluid being separately controllable, wherein the fluid providing said barrier is heated such as to allow the material to stretch and wherein the temperature of the fluid barrier is controlled to in turn control the thickness of the article so moulded.

Compl. Specn. 14 pages. Drg. 1 sheet.

CLASS : 32-F_1. 163596

Int. Cl. : C 07 c 23/00.

PROCESS FOR PREPARING A HEAT RESISTANT SULFUR-MODIFIED POLYCHLOROPRENE COPOLYMER.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventor : 1. TSUNEICHI TAKESHITA.

Application No. 635/Cal/85 filed September 5, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process for preparing a heat resistant sulfur-modified polychloroprene copolymer having a calculated Mooney viscosity ML 1 + 4¹ (100°C), of from about 25—75 which Comprises :

(I) emulsion polymerizing a mixture of 2-chloro-1, 3-butadiene and 2, 3-dichloro-1, 3-butadiene to a total conversion of from about 65—85% by weight and at a temperature (T) in the range of from about 273—298K, said 2, 3-dichloro-1, 3-butadiene being employed in an amount of at least X parts to 20 parts per 100 parts 2-chloro-1, 3-butadiene plus 2, 3-dichloro-1, 3-butadiene wherein

$$X = 48.734 - 0.15325K, \quad (1)$$

said calculated Mooney viscosity of the resulting polychloroprene copolymer within the range of 25-75 being obtained by employing amounts of from 0.1-0.62 parts elemental sulfur (S), up to 1.0 parts diisopropyl xanthogen disulfide (P) or an equivalent amount of a dialkyl xanthogen disulfide, and 2,3-dichloro-1, 3-butadiene (A), said (S), (P) and (A) expressed as parts per 100 parts of said 2-chloro-1, 3-butadiene plus 2, 3-dichloro-1, 3-butadiene, at a given temperature of polymerization (T), expressed by the following equation :

$$ML\ 1 + 4^1\ (100°C) =$$

$$(11129.1)e\ (-3.97395S-2.34837P-.\ 0138807T + .0281227A), \quad (2)$$

and

(II) peptizing the resulting polychloroprene copolymer latex to at least 60% of the theoretical maximum.

Compl. Specn. 23 pages. Drg. Nil.

CLASS : 172-A & E. 119E. 163597

Int. Cl. D 02 h 3/00; D 01 p. 6/00.

CONTINUOUS PROCESS AND APPARATUS FOR THE PRODUCTION OF WEAVING WARPS OF MONOFILAMENT THERMOPLASTIC SYNTHETIC YARN.

Applicant : VAL LESINA Spa. OF VIA DELL'INDUSTRIA 2+23014 ANDALO VALTELLINO (SO), ITALY.

Inventors : 1. VITO BALLARATI, 2. FRANCO TAJAN.

Application No. 753/Cal/85 filed October 22, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 claims

Continuous process for the production of textile warps or warps section, collected on beam, constituted by monofilament thermoplastic synthetic yarns made of polyester or polyamide or polypropylene, wherein yarns are used which are fed by a continuously working melt spinning device, without winding up the yarns on intermediate spools or packages, the yarns coming continuously from said spinning device and wherein the yarns are subjected to an accumulation and recovery step in connection with nipping, cutting and taping operations carried out when a fully-wound warp beam has to be replaced by an empty beam, said accumulation and recovery step occuring down stream of the melt spinning and upstream of the nipping.

Compl. Specn. 10 pages. Drgs. 2 sheets.

CLASS : 152-F. 163598

Int. Cl. C 08 f 29/02, 29/04.

PROCESS FOR PREPARING POLYPROPYLENE-BASE RESIN COMPOSITNON.

Applicant : MITSUI TOATSU CHEMICALS, INCORPORATED, OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors :

1. YOICHI KAWAI
2. MASARU ABE
3. AKIO YOSHIHARA

4. SHIGERU HAYASHI

5. KATSUMI SEKIGUCHI.

Application No. 265/Cal/86 filed April 2, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

A process for preparing a polypropylene-base resin composition which comprises heating at a temperature of 170°C—280°C a mixture containing :

(a) a crystalline ethylene-propylene block copolymer having an ethylene content of 7-30 wt. % and having a constituent of 65 wt. % or more insoluble in boiling n-heptane;

(b) an ethylene-propylene copolymer rubber having an ethylene content of 10—34 wt. % and a Mooney viscosity ML_{1+4} of 15-80 at 100°C;

(c) an inorganic filler having a particle size of 6 um or smaller; and

(d) an organic peroxide such as herein described;

said components (a), (b), (c) and (d) being contained in amounts of 65-95 wt. % 35-5 wt % wt. 2-25 wt. % and 0.001—0.5 wt. %, respectively, all based on the total amount of the components (a) and (b).

Compl. Specn. 27 pages. Drg. Nil.

CLASS : 116-G. 163599

Int. Cl. B 65 g 35/00.

MOBILE ELEVATOR CONVEYOR.

Applicant : MINENCO PTY. LIMITED, OF 45 EXHIBITION STREET, MELBOURNE, VICTORIA, AUSTRALIA.

Inventors : 1. IMANTS OZOLINS, 2. GARY LEWIS JAMES.

Application No. 367/Cal/86 filed May 14, 1986.

Convention dated 23rd May, 1985 (PH 0702) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 claims

A mobile elevator conveyor, comprising a main support structure mounted on tracks, wheels or the like, for mobility along an upper level when in use, elevating conveyor means supported on a boom structure adapted to be extended from a retracted position within said main frame to an extended position outwardly of said main frame, wherein the boom supporting the conveyor is adapted to bend downwardly to a lower level when in use.

Compl. Specn. 15 pages. Drgs. 5 sheets.

CLASS : 163600

Int. Cl. A 61k 43/00.

A PROCESS OF PREPARING A HOMOCOPATHIC MEDICINE OF THE NOSODES GROUP FOWL PLAGUINUM.

Applicant & Inventor : NANIGOPAL JANA, VILL-BHATENDA P.O. RAJARHAT, DIST. NORTH 24-PARGANAS, PIN-743510, INDIA.

Applicaton No. 31/Cal/87 filed June 12, 1987.

Complete Specn. left on 10th June, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 claims

A process of preparing a Homoeopathic Medicine, for the treatment of the diseases like Fowl Plague etc. comprising collecting body parts such as spleen and liver of the suffering or freshly dead ducks affected with Duck Plague, drying, mixing & rubbing the same substance with pure sugar of milk of predetermined quantity and obtaining the medicine in different dilutions or potencies in a conventional manner.

Provl. Specn. 2 pages. Drg. Nil.

Compl. Specn. 5 pages Drg. Nil.

Int. Cl.[4] : C 07 C 85/04. 163601

METHOD OF PRODUCING A NITRODIARYLAMINE.

Applicant : MONSANTO COMPANY, A DELAWARE CORPORATION, OF 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS, MISSOURI, 63167, UNITED STATES OF AMERICA.

Inventors : OTTO WILLIAM MAENDER, (2) HELMUT LUDWIG MERTEN.

Application No. 935/Mas/84 filed November 30, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

13 claims

The method of producing a nitrodiarylamine comprising the steps of

(a) condensing 1.0 to 2.0 moles of the formyl derivative of an aromatic primary amine and a 1.0 mole of nitrohaloarene and

(b) admixing thereto an alcoholic solution of from 0.8 to 3.0 moles of a sodium, potosium, rubidium of cesium alkoxide or a combination thereof and thereafter recovering the desired product in a conventional manner.

Nitrodiarylamines are useful as intermediates for preparing dyestuffs and antidegradants.

Compl. Specn. 16 pages. Drg. 1 sheet.

Int. Cl.[4] : C 09 C 1/48. 163602

A FURNACE PROCESS FOR THE PRODUCTION OF CARBON BLACK HAVING HIGH DBP VALUES WHEN CRUSHED.

Applicant : CABOT CORPORATION, A CORPORATION OF THE STATE OF DELAWARE, OF 125 HIGH STREET, BOSTON, MASSACHUSETTS 02110, UNITED STATES OF AMERICA.

Inventor : ALLAN C MORGAN.

Application No. 950/Mas/84 filed 4 December 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, Madras-2.

6 claims

A furnace process for the production of carbon black having high DBP values when crushed which comprises reacting a conventional fuel and a conventional oxidant in a first zone of the furnace so as to provide a stream of hot primary combustion gases possessing sufficient energy to convert a carbon black yielding liquid hydrocarbon feedstock to carbon black, injecting the said liquid hydrocarbon feedstock in a second zone of furnace in the form of a plurality of coherent jets, into the stream of gaseous combustion products at a location where the combustion gas stream has reached maximum velocity in a direction substantially transverse to the direction of flow of the stream of combustion gases and under sufficient pressure to achieve the degree of penetration required for proper shearing and mixing of the feedstock, and wherein in a third zone the feedstock is decomposed and converted into

carbon black prior to termination of the carbon forming reaction by quenching, and then cooling, separating and recovering the resultant carbon black characterised in that an amount of from 20-80% of the total amount of liquid hydrocarbon feedstock is being injected in the form of a plurality of coherent jets substantially radially into the combustion gas stream from the periphery thereof prior to the point at which the stream of combustion gases reaches maximum velocity, the remainder being added at approximately the point where the combustion gas stream has reached maximum velocity.

Compl. Specn. 21 pages Drg. Nil.

The carbon black prepared according to this invention can be used as a fillers, pigments and reinforcing agents in rubber and in plastics.

Int. Cl.[4] : H 01 Q 25/04. 163603

AN ANTENNA.

Applicant : GRANGER ASSOCIATES, INC., A DELAWARE CORPORATION OF 3101 SCOTT BOULEVARD, SANTA CLARA, CALIFORNIA 95051, UNITED STATES OF AMERICA.

Inventor : WILLIAM G. HOOVER.

Application No. 999/Mas/84 filed December 17, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) atent Office, Madras Branch.

12 claims

An antenna comprising a plurality of radiators; means for supporting said radiators in electrically insulated relationship to one another relative to a fixed reference ground plane; first radiator energizing means connectable with said radiators in a first specific operating mode for energizing the radiators in order to cause them to produce a first specific radiation pattern relative to said reference plane; second radiator energizing means connectable with said radiators in a second specific operating mode different from said first mode for energizing the radiators in order to cause them to produce a second specific radiation pattern relative to said reference plane and different from said first pattern; and means for simultaneously connecting said first and second radiator energizing means with said radiators in their respective first and second operating mode without any appreciable electrical interference with one another in order to cause said radiators to simultaneously produce each of said first and second radiation patterns as if the other were not present, said radiators including first, second, third and fourth radiators and said radiator support means supporting said four radiators around the outer surface of an imaginery cone having its apex located at fixed distance above said plane and its central axis extending vertically, said first, second, third and fourth radiators being supported so as to define successively interlaced first, second, third and fourth conical spiral windings respectively beginning at the innermost ends of the radiators adjacent the apex of said cone, said innermost ends being circumferentialy spaced 90° from each other above said central axis.

Complete Specification 24 pages. Drgs. 6 sheets.

Int. Cl.[4] : H 01 B 3/18. 163604

AN ELECTRICAL INDUCTION APPARATUS.

Applicant : UNION CARIDE CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., OF OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817, UNITED STATES OF AMERICA.

Inventor : GILBERT RICHARD ATWOOD.

Application No. 1041/Mas/84 filed 27 December 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

11 claims

An electrical induction apparatus comprising a tank containing a dielectric coolant, an electrical winding for allowing electric current to pass therethrough, porous solid cellulosic electrical insulations immersed in and impregnated with said coolant, said apparatus in a first stage of operation has a PCB in the coolant, in its second stage of operation has an interim coolant and PCB, the said interim coolant being miscible with said PCB and sufficiently low in viscosity to circulate within the tank and penetrate the intersitices of the insulations, whereby eluting the PCB into the coolant at a rate exceeding 0.55 PPM of PCB per day initially till the rate of elution of PCB into the coolant is less than 0.55 PPM of PCB per day based on the weight of the permanent coolant, the interim coolant is thereafter removed from the said induction apparatus and replaced by a conventional permanent coolant.

Complete specification 45 pages and drawings 5 sheets.

Int. Cl.[4] : F 16 D 13/38, 13/72. 163605

A CLUTCH FOR DRIVINGLY CONNECTING AN ENGINE DRIVABLE FLYWHEEL TO THE INPUT OF A TRANSMISSION.

Applicant : DANA CORPORATION, OF 4500 DORR STREET, TOLEDO, OHIO 43615, U.S.A. A CORPORATION OF THE STATE OF VIRGINIA, UNITED STATES OF AMERICA.

Inventor : RICHARD, A. FLOTOW, WILLIAM M. TENNANT.

Application No. 1060/Mas/84 filed 31 December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

11 claims

A clutch for drivingly connecting an engine drivable flywheel to the input of a transmission, the flywheel direction being considered forward and the transmission direction being considered rearward, comprising a multiple component clutch-cover assembly, said clutch cover assembly surrounding a clutch pack comprised of clutch plates and clutch discs, a first clutch portion adapted to be drivingly connected to the flywheel, a pilot means on the rearward surface of said first clutch portion, a seocnd clutch portion drivingly connected to said first clutch portion and spaced rearwardly therefrom, a driven hub disposed axially between said first second clutch portions with the forward end of said hub engaging said pilot means, and resilient means acting between said hub and said second clutch portion for biasing said hub into piloting engagement with said pilot means.

Complete Specification 16 pages and drawings 2 sheets.

CLASS : 163606

Int. Cl.[4] : C 01 B 3/26.

PROCESS AND APPARATUS FOR PRODUCING SYNTHESIS GAS.

Applicant : LINDE AKTIENGESELLSCHAFT, OF ABRAHAM-LINCOLN-STRASSE 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY, AT WEST GERMAN COMPANY.

Inventors : (1) UDO LANG, (2) WALTER SCHRAMM AND (3) ALEXANDERKASSIAN.

Application No. 7/Mas/85 dated January 2, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

13 Claims

Process for producing synthesis gas by converting hydrocarbons under increased pressure, through an enothermic catalytic steam reforming process and a catalytic autothermic reforming process characterized in that a first flow of hydrocarbons is subjected to the automatic reforming process at temperatures between 900 and 1500°C and a pressure above 40 bars, preferably 60 to 100 bars, in the presence of water vapor and oxygen or an oxygen containing gas such as herein described and in that a second flow of hydrocarbons is subjected to the steam reforming process at pressures above 40 bars preferably 60 to 100 bars, in the presence of water vapor while the amount of heat required for the steam reforming process is at least partially taken from the product gas of the autothermic reforming process.

An apparatus for producing synthesis gas by the process according to claim 1, comprising an essentially vertical steam reformer having an entry area with a feed line for a flow of charge material to be reformed leading thereto and that area is limited by a base carrying-catalyst filled tubes with openings to the entry area and opposite exit openings for reformed gas, these tubes leading away from the entry area into a second part of the reactor having a discharge line, which is situated near the limiting tube base and the second part of the reactor is connected with product gas discharge of an autothermic reformer having a combastive zone, a catalyst bed for autothermic reforming process with a feed line for charge material to be reformed and a discharge line for product gas.

The synthesis gas which essentially contains hydrogen and oxides of carbon is a basic requirement for the implementation of whole series of important large scale synthesis e.g. synthesis gas are needed for manufacturing ammonia or methanol, for the oxosynthesis and the Fischer Tropsch synthesis.

Compl. specn. 24 pages. Drgs. 2 sheets

CLASS : 163607

Int. Cl.[4] : H 02 K 7/00, F 03 B 13/4.

A DEVICE FOR STORING ENERGY DERIVED FROM MANUAL EFFORT OR TIDAL FORCES AND FOR SUPPLYING THE SAME WHENEVER REQUIRED.

Applicant & Inventor : KOTHAPALLI VENKATA SURYA TIRUPATHI RAJU, H. NO. 8-3-224/9 MADHURANAGAR, HYDERABAD 500 045, ANDHRA PRADESH, INDIA, INDIAN NATIONAL.

Application No. 22/Mas/85 filed 11 January 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

6 Claims

A device for storing energy derived from manual effort or tidal forces and for supplying the same whenever required comprising a rotatably mounted drum housing a coiled spring, one end of the spring being fixed to the interior of the drum, while the other end thereof is fixed to a pawl and ratchet wheel provided on the drum axis and thence to a slip clutch and a freewheel; a driver wheel coupled to the freewheel; at least one crank coupled to the driver wheel, for rotating the driver wheel; and a speed-control governor coupled to the drum, whereby cranking of the driver wheel drives the free wheel and thence the clutch and rachet wheel to wind the spring, thus causing the drum to rotate under spring-tension at a speed regulated by the governor, to provide mechanical power.

Compl. specn. 8 pages. Drgs. 2 sheets

CLASS : 163608

Int. Cl.[4] : D 01 H 13/22.

A MONITORING SYSTEM FOR TEXTILE PROCESSING MACHINE.

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventor : MARKUS ERNI, SALVISBERG KURT, MARCEL ZUND.

Application No. 33/Mas/85 filed 16 January 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

3 Claims

A monitoring system for a textile processing machine having a plurality of independently operbale yarn processing stations condition monitoring means capable of representing the current operating condition of each individual processing station, yarn quality monitoring means adapted to produce a defect signal when a yarn defect is detected at any one of the said stations and means responsive to the condition monitoring means and to the yarn quality monitoring means associate said defect signal with one of said stations.

Compl specn. 17 pages. Drgs. 3 sheets

CLASS : 163609

Int. Cl.[4] : F 16 K 21/10

A VALVE ASSEMBLY FOR USE IN CONTROLLING A PLURALITY OF FLUID OPERATED FUNCTIONS.

Applicant : DOBSON PARK INDUSTRIES PLC. OF DOBSON PARK HOUSE, COLWICK INDUSTRIAL ESTATE, NOTTINGHAM, ENGLAND. A BRITISH COMPANY.

Inventor : RICHARD WARD.

Application No. 38/Mas/85 filed 17 January 1985.

Convention dated 8th February 1984, No. 8403341 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, Madras-2.

21 Claims

A valve assembly for use in controlling a plurality of fluid operated functions, comprising a valve body, a plurality of valve members each movable independently to carry out a fluid flow control function, a plurality of valve actuating members movable in a direction actuating the valve members, and an interposer device movable to prevent at least one of the valve actuating members from actuating its associated valve, thus enabling the valve to be selectively operable.

Compl. specn. 18 pages. Drgs. 2 sheets

CLASS : 163610

Int. Cl.* : A 61 M 25/02.

A CATHETER ANCHORING DEVICE.

Applicant & Inventor : JERRY MEYER KAUFMAN, A CITIZEN OF UNITED STATES OF AMERICA, OF 20 OLD QUEENS BOULEVARD, ENGLISHTOWN, NEW JERSEY 07726, UNITED STATES OF AMERICA.

Application No. 92/Mas/85 filed 4 February 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

11 Claims

Catheter anchoring device for securing a catheter to a patient, comprising anchoring means for attachment to said patient at a location at which a blood vessel or graft is situated, locking means for locking said anchoring means to the patient, an adjustable saddle rotatably mounted on said anchoring means, said adjustable saddle including at least one aperture adapted to receive said catheter, a contact surface having a shaped adapted to make with said blood vessel or graft in said patient, and atleast one saddle channel extending between said aperture and said contact surface for receiving a catheter, said adjustable saddle being rotatable about an axis disposed substantially perpendicular to said contact surface.

Compl. specn. 16 pages. Drgs. 2 sheets

CLASS 150-C, E & G. 163611

Int. Cl. : F 16 l 15/00.

A DEVICE FOR PROTECTING THREADINGS AND BUTT-TYPE JOINT BEARING SURFACES OF METALLIC TUBES.

Applicant : VALLOUREC, OF 7 PLACE DU CHANCELIER ADENAUTER 75015 PARIS, FRANCE.

Inventor : 1. JEAN-PAUL DEPRET.

Application No. 108/Cal/85 filed February 13, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A device for protecting, before use, male or female threadings and butt-type annular bearing surfaces of points which contribute to the hermetic character of threaded couplings of metallic tubes, comprises a plastics ring which is engaged by screwing onto the threading of the joining region of the metallic tube, characterised in that the ring (6, 25, 42, 56) has a threading (7, 26, 43, 57), having at least several threads, by means of which it is screwed onto the threading (3, 21, 40, 55) of the joining region of the metallic tube (1, 19, 39, 54) and has an annular abutment region (8, 27, 47, 62), provided with a front face (9, 28, 49, 64) which is dimensioned so as to face the butt-type bearing surface (4, 22, 41, 66) of the joint of the metallic tube, when the ring is tightly screwed onto this tube, the inner edge of this front face having a first annular tight sealing means (10, 29, 48, 63) which co-operates with the butt-type bearing surface of the joint of the tube in the vicinity of its inner edge (4A, 22A, 50, 65) to ensure the sealing, the profile of this front face being such that a closed annular volume (11, 30, 52, 67) is enclosed between the butt-type joint bearing surface and the facing front face.

Compl. specn. 20 pages. Drgs. 4 sheets

CLASS 172-C, 5, & 9. 163612

Int. Cl. : C 01 g 5/00, 9/00, 13/00.

A SYSTEM FOR FEEDING OF FIRE MATERIAL FROM FIBRE BALES TO A NUMBER OF FIBRE PROCESSING EQUIPMENT MACHINE OR WARE HOUSES.

Applicant : TRUTZSCHLER GMBH & CO. KG. OF DUVESNSTRASSE 82-92 D-4050 MONCHENGLADBACH 3, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. FRITZ HOSTEL.

Application No. 159/Cal/85 filed March 1, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A system of feeding of fibre material from fibre bales to a number for fibre processing equipments, machines or ware houses comprising a loading tower adapted to move forward and backward and mounted on a wagon adapted to move to and from a feeding station for feeding said fibre processing equipment machine or ware house said tower also having a cantilever arrangement for vertical displacement with respect to the tower said wagon being also adapted to press against a ledge transversely positioned above the direction of movement of the said wagon, said ledge being fixed to an adjacent transverse canal terminating at said feeding station, a set of conveying means such as pipes connecting said feeding station and said processing equipment/machines/warehouse, said system also including locating means for locating said wagon and said loading tower at any given time and for controlling the feeding operation.

Compl. specn. 15 pages. Drgs. 3 sheets

CLASS : 163613

Int. Cl. : A 47 j 27/00; B 01 b 1/00.

MULTIPURPUS PLANT.

Applicant & Inventor : S. K. CHAUDHARY, VILLAGE NAZIRA PARA, KRISHNAGAR, DISTT. NADIA, WEST BENGAL, INDIA.

Applicantion No. 774/Cal/85 filed October 31, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A multi-purpose plant/device based on hot water and/or steam comprising an elongated upright vessel having at least one flue tube disposed therein, said flue tube being accommodated between the bottom plate and said top plate of said elongated vessel, the lower end of the tube being open to a fire chamber disposed beneath said vessel while the top end of the flue tube is open to atmospnere, said vessel having at least one safety plug and means for storing water therein, said vessel also having a temperature measuring means and a pressure guage, the wall of the vessel having a plurality of ports arranged at different levels communicating with the interior of the vessel, one or more of said ports being plain ports and/or threaded ports and adapted to receive units such as a steam condenser, a hot water conveyor, the said fire chamber having means for burning solid or liquid or gaseous fuel therein, means being provided for optionally blowing draught of air into said firechamber below the source of fire, said chamber optionally having two or more partition walls in the upright direction.

Compl specn. 8 pages. Drg. Nil

CLASS : 163614

Int. Cl. : F 04 b 1/00.

PEDAL WATER PUMPS.

Applicant & Inventor : NASIRUDDIN GAYEN, VILLAGE MOLLAR CHAK, P.O. MAGRAHAT DISTRICT, 24 PARGANAS, WEST BENGAL, INDIA.

Application No. 19/Cal/86 filed January 9, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A pedal water pump for continuous pumping of liquids such as water comprising a plurality of cylinders each having a piston, each of the said cylinder having an inlet and outlet connected to a common source and outlet respectively, valves disposed in said cylinder for restricting the flow of fluid there through unindirectionally, a pedal means for providing rotatory motion means operatively connected to said pedal and to the pistons means for translation of the rotating motion of pedal into alternate vertical up and down movement of the piston in their respective cylinders.

Compl. specn. 8 pages. Drgs. 2 sheets

CLASS 76-C & E; 86-E 163615

Int. Cl. : E 06 b 3/00, 5/00 & 7/00.

A WOODEN CLOSURE STRUCTURE LIKE DOORS AND WINDOWS AND A METHOD OF ITS MAKING.

Applicant : ASCU HICKSON LIMITED, AT 7A, ELGIN ROAD, CALCUTTA-700 020, WEST BENGAL, INDIA.

Inventor : 1. VENKATA RAMANIAH SONTI.

Application No. 87/Cal/86 filed February 7, 1986.

Comp. Specn. left on 12 Jan. 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A wooden closure structure like doors and windows formed by securing a plurality of wooden sections together, wherein each of any two wooden sections to be joined for forming the closure structure is provided with at least one drilled hole in alignment a corresponding hole provided with the other wooden section, the drilled hole(s) of one of the wooden section being provided with securedly fixed dowel pin(s) whose one end project(s) outside the hole(s), the projected end of the dowel pin(s) being driven into the corresponding drilled hole in the other wooden section after all the sections of the closure structure are placed in a side-by-side relationship conforming to the ultimate configuration of the closure structure; characterized in that said dowel pins are threaded whereby a spiral axially disposed grooves is formed around their surface, said dowel pins being securedly fixed within said holes by application of glue.

Provl. Specn. 6 pages Drgs. 2 sheets

Compl. specn. 10 pages. Drg. Nil

CLASS : 163616

Int. Cl. : C 08 b 37/00.

PROCESS FOR PRODUCING NATURAL HEPARAN SULPHATE AND DERMATAN SULPHATE IN SUBSTANTIALLY PURE FORM.

Applicant : MEDIOLANUM FARMACEUTICAL SRL. VIA S. GIUSEPPE COTTOLENGO 51, MILANO, ITALY

Inventors : 1. RINALDO DEL BONO, 2. LUIGI DE AMBROSI, 3. PIERGIUSEPPE PAGELLA, 4. GIANNI FERRARI.

Application No. 184/Cal/86 filed March 12, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process for producing natural heparan sulphate and dermatan sulphate in substantially pure form from mixtures of proteoglycans of animal tissues from the aorta, myocardium and particularly vascularised organs, characterised by the following stages :

— extracting the proteoglycans from said tissues in finely micronised form by treatment with a solution of a compound selected from the group consisting of urea, guanidine, thiourea and potassium thiocyanate;

— filtering and clarifying the solution, and eliminating a compound selected from the group consisting of urea, guanidine, thiourea and potassium thiocyanate;

— splitting the bond between the mucopolysaccharides and proteins;

— precipitating the proteins and filtering;

— eliminating the nucleic acid traces;

— precipitating the mucopolysaccharides;

— fractionating the heparan sulphate and dermatan sulphate and pulifying them.

Compl. specn. 19 pages. Drg. Nil

CLASS : 163617

Int. Cl. : D 01 g 15/46.

A FIXTURE TO DRIVE A SLIVER LOADING DEVICE FOR A ROTATING SLIVER CAN, EG CARD, DRAWING

Applicant : TRUZSCHLER GMBH & CO. KG., OF DUVENSTR, 82—92, D-4050, MONCHENGLADBACH 3, FEDERAL REPUBLIC OF GERMANY.

Inventor 1. JURGEN KLUTTERMANN.

Application No. 421/Cal/86 filed June 5, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A fixture to drive sliver loading device for a rotating sliver can (can stock), e.g. for card, drawing or similar things with a rotary head including a band channel with stationarily supported rotatable pressure rollers, in which a driven shaft is provided, which remains in connection each with a drive element for the rotary head and for the roller press, wherein the drive element (32) for the rotary head (5) is situated on the shaft (17) and is connected with the rotary head (5) by transmission element (38) and wherein the drive element (32) is situated on the shaft (17) for the roller presses (1, 2, and is connected with at least one roller press or belt pulleys (34, 34a) or like arrangement by a transmission element (33).

Compl specn. 11 pages. Drgs 3 sheets

CLASS : 129-G. 163618

Int. Cl. : B 23 b 13/12, 31/00; B 23 f 23/06.

COUPLINGS FOR METAL CUTTING TOOLS.

Applicant : FRIED KRUPP GESELLSCHAFT MIT BESCHRANKTER HAFTUNG OF ALTENDORFER STRASSE 103, D-4300 ESSEN 1, FEDERAL REPUBLIC OF GERMANY.

Inevntor : 1.RAINER VON HAAS.

Application No. 632/Cal/86 filed August 19, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A tool coupling for securing a metal cutting tool against rotation and axial distortion, comprising :

A tool head which serves as the cutting tool, said tool head having an abutment collar and having a tang with an end, said tang being provided with a first conical portion adjacent said abutment collar, a guide portion at said end of said tang, and acylindrical pin portion between said conical portion and said guide portion; and

a tool holder having an abutment surface for planar engagement with said abutment collar and having a bore for receiving said tang, said bore having a first conical portion that is positioned to engage said first conical portion of said tang, said first conical portion of said tang being slightly overdimensioned with respect to said first conical portion of said bore so that at least one of said conical portion is elastically distorted when said tang is forced into said bore, the tool head into planar contact with said abutment surface of said tool holder.

Compl. specn. 18 pages. Drgs. 3 sheets

CLASS : 129-G & Q. 163619

Int. Cl. : B 23 k 1/00, 5/00.

PORTABLE GAS OPERATED WELDER CUM SOLDERING IRON.

Applicant & Inventor : ASHOK BENGANI, 1/4B KHAGANDRA CHATTERJEE ROAD, CALCUTTA-700002, WEST BENGAL, INDIA.

Application No. 817/Cal/86 filed November 11, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A portable gas operated welder cum soldering iron comprising a hollow gas container tube having a refill point at one end and a thin hollow gas conveyor tube at the other end, one or more extension attachment tubes connected to the container and covering the thin gas conveyor tube and having a ejecting nozzle at the far end to act as the ignition point for the gas flame and to which the thin tube is connected, an ON and OFF switch to start or stop the gas flow and a tip attachment covering the extension attachments and carrying end piece preferably cone shaped with removable attachments to function as a blower or a soldering tip.

Compl. specn. 7 pages Drg. 1 sheet

CLASS : 163620

Int. Cl. : H 05 k 5/00.

A PILFER PROOF CABINET.

Aplicant & Inventor : ROBINDRA NATH DUTT, OF PRAGJYOTISH CARBON INDUSTRIAL ESTATE, BAMUNIMAIDAN, GAUHATI-781021, STATE OF ASSAM, INDIA.

Application No. 11/Cal/87 filed January 2, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

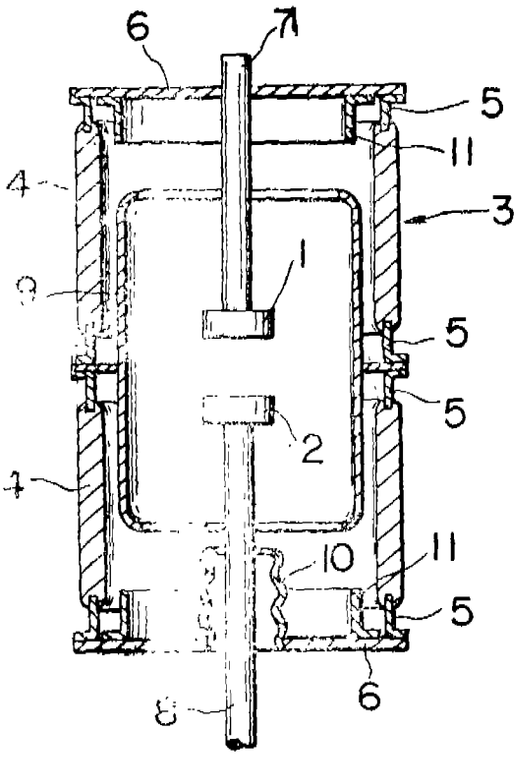
A pilfer proof cabinet, having at least one compartment and one door, which comprises a self-locking system together with a recorder for automatically recording the number of times said door is opened.

Compl. specn. 11 pages. Drgs. 3 sheets

R. A. ACHARYA
Controller General of Patent
Designs & Trade Marks

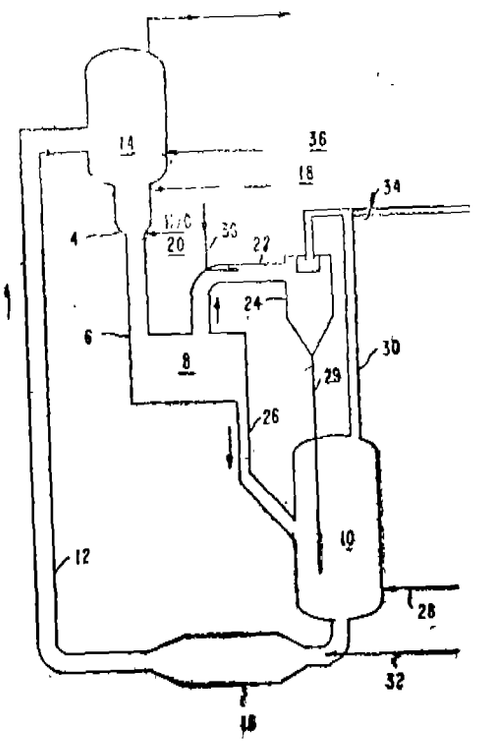
No. 163592

FIG. 1



No. 163593

FIG. 1



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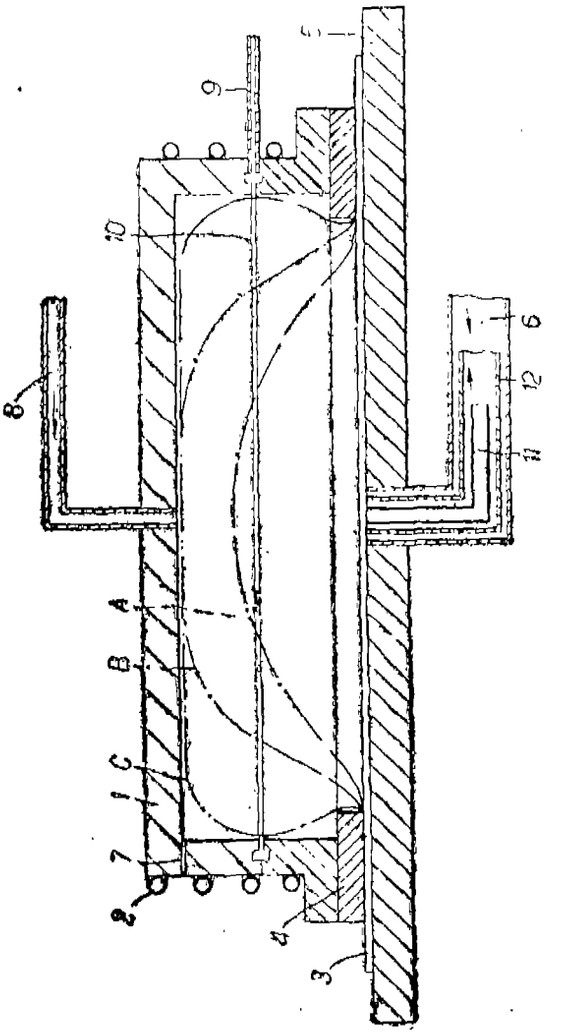
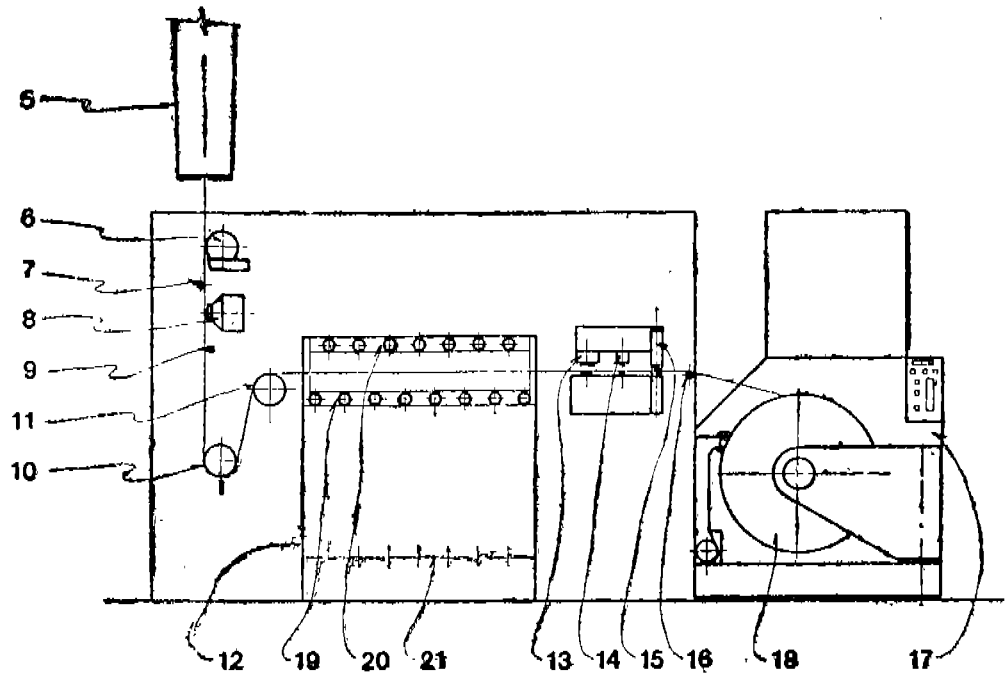


Fig. 1

No. 163597



No. 163603

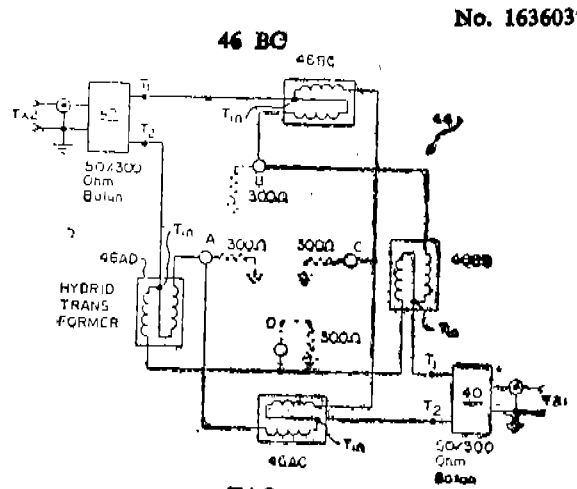


FIG. — 4

No. 163603

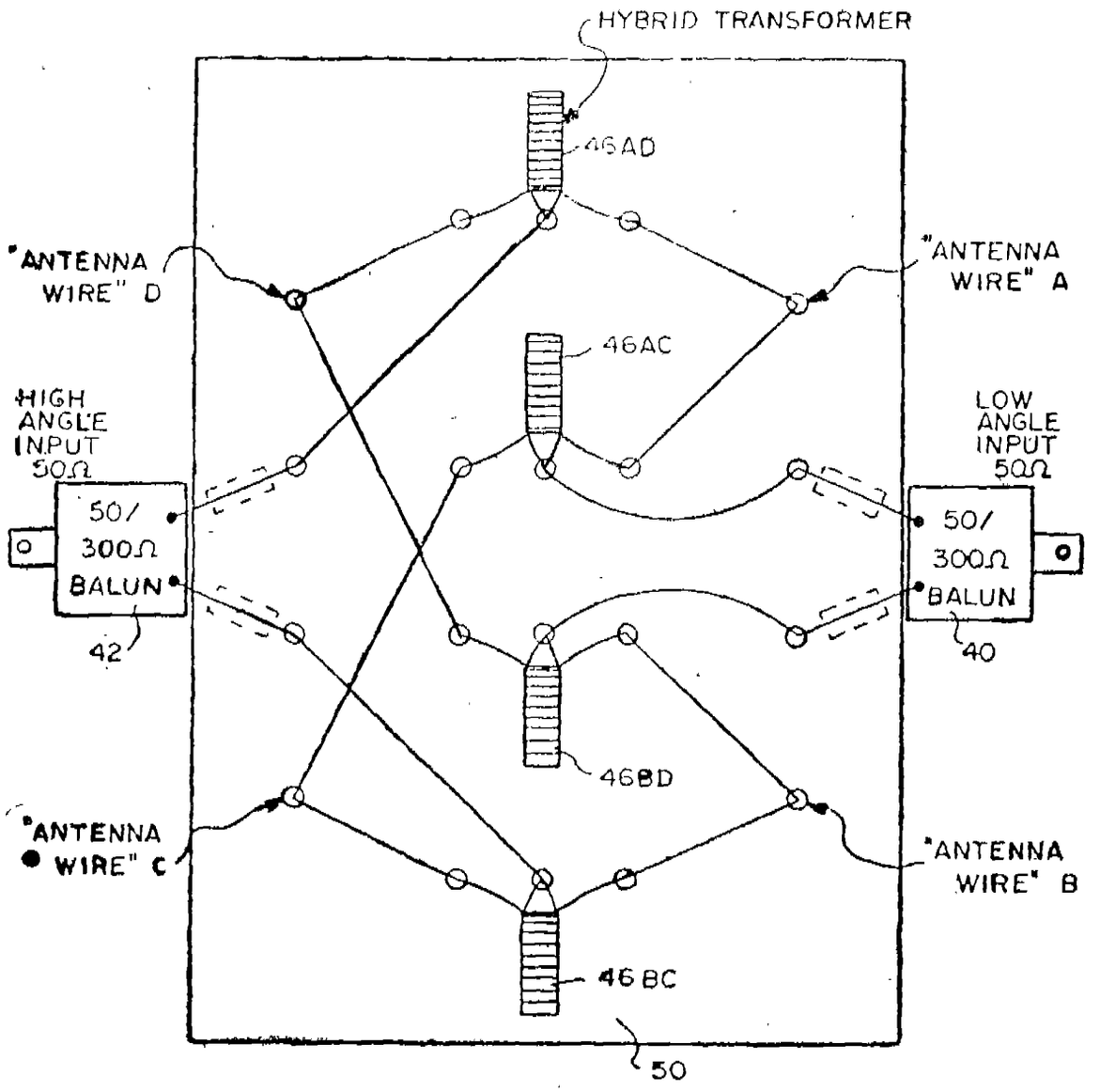


FIG.—5A

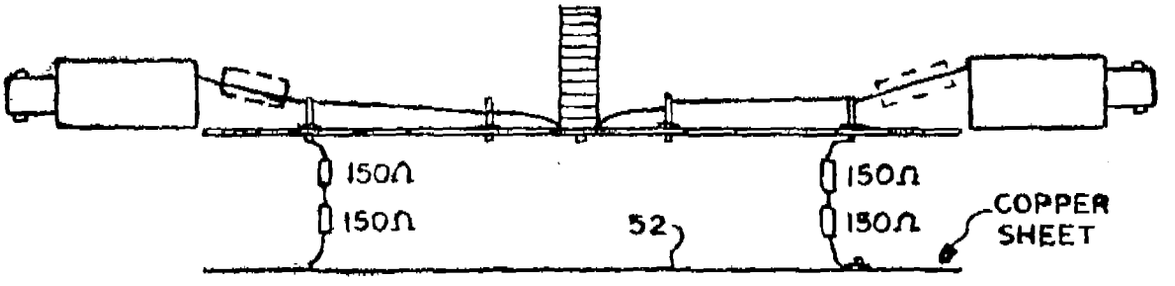


FIG.—5B

No. 163605

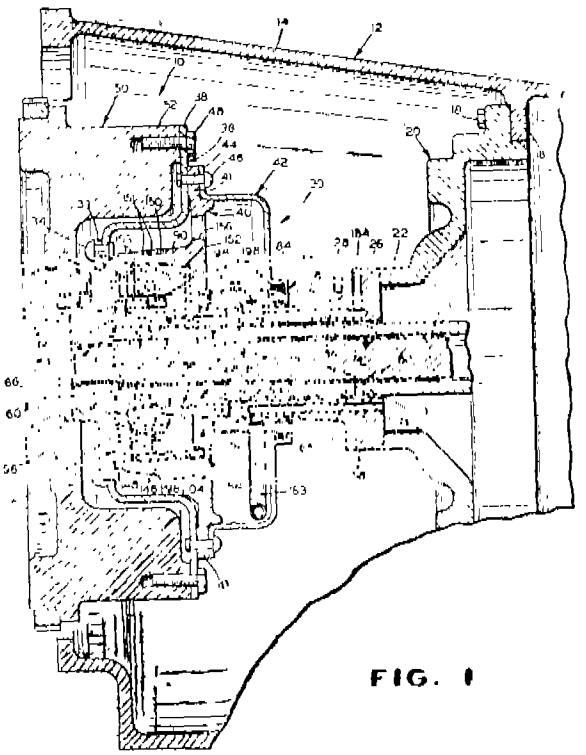


FIG. 1

No. 163606

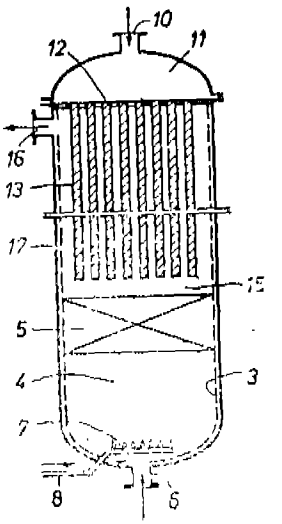
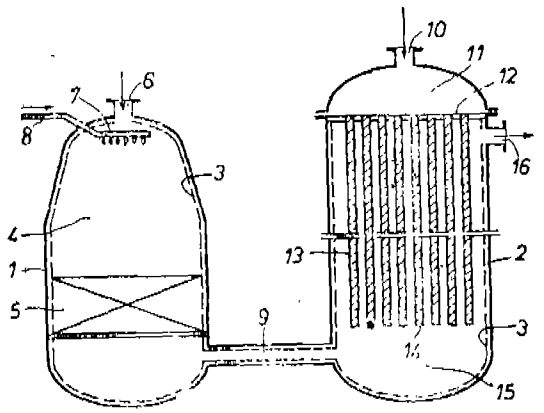


Fig. 2

No. 163606



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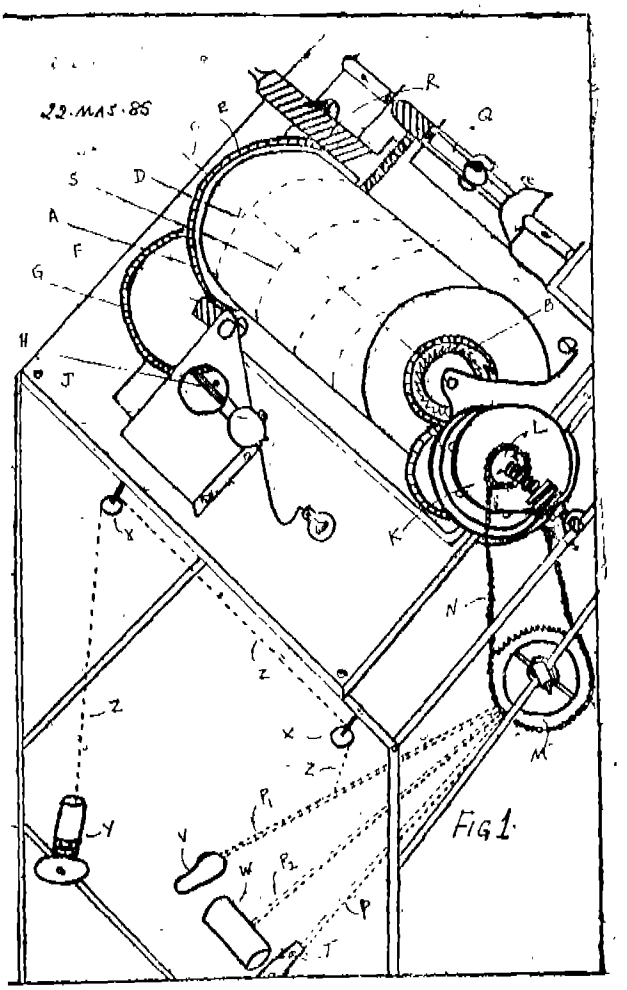

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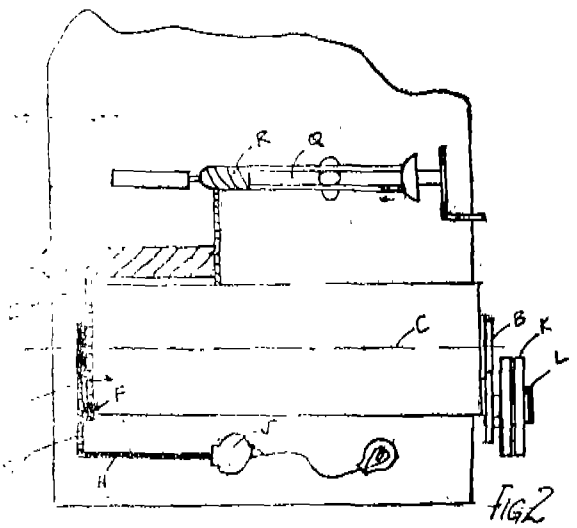


FIG2

No. 163609

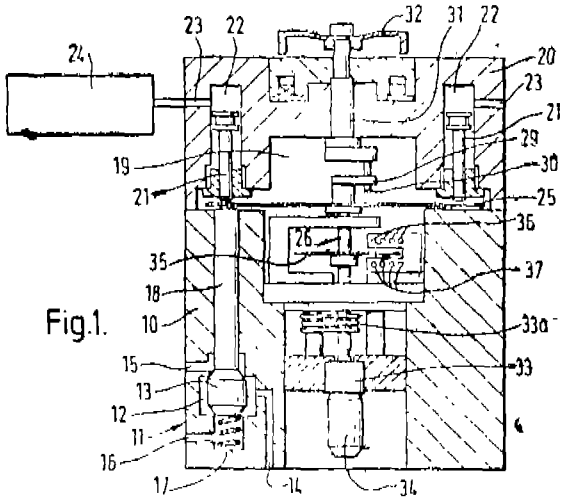
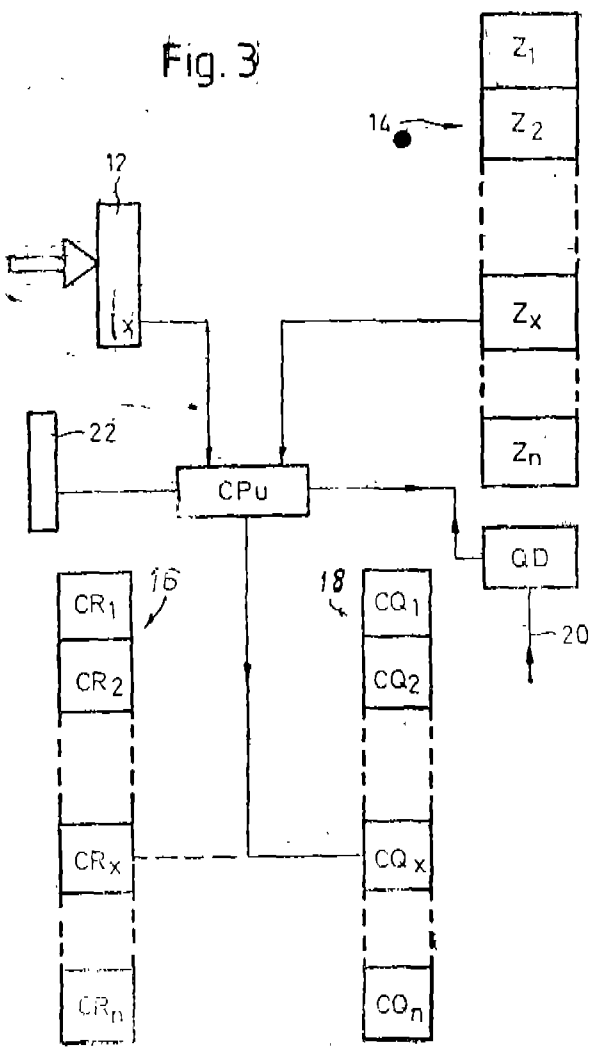


Fig.1.

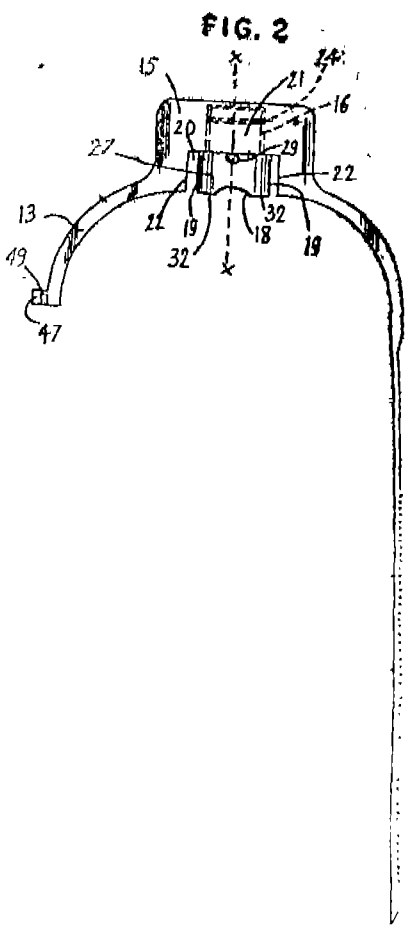
No. 163608

Fig. 3



No. 163610

FIG. 2



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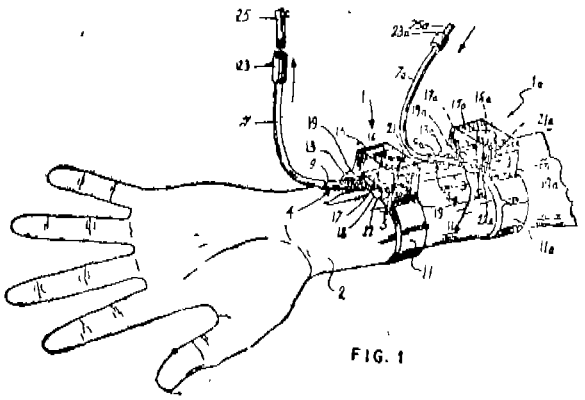
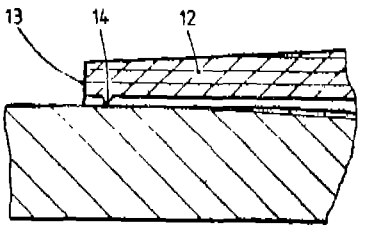


FIG. 1

No. 163611



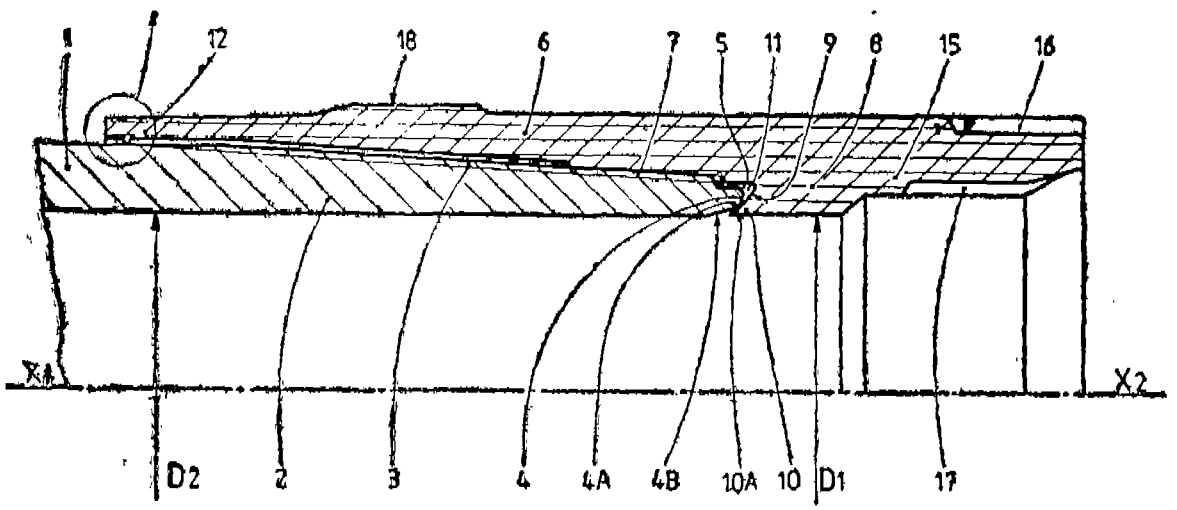
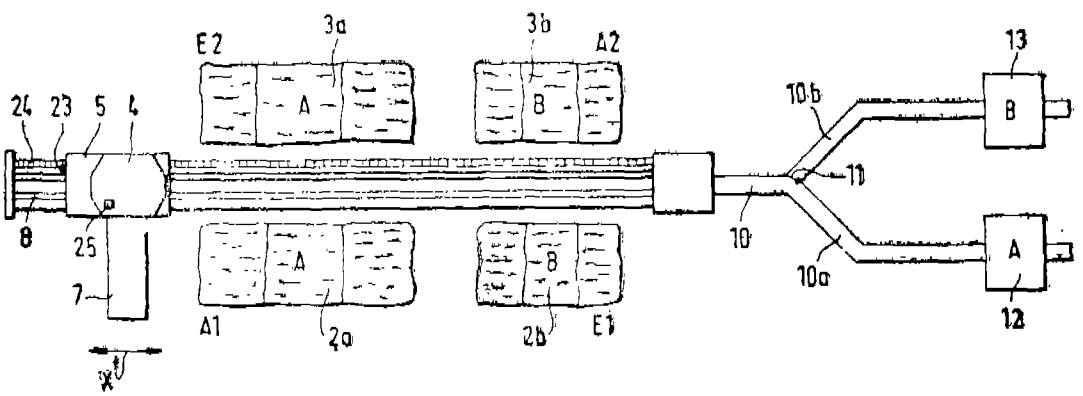


Fig. 1

No. 163612



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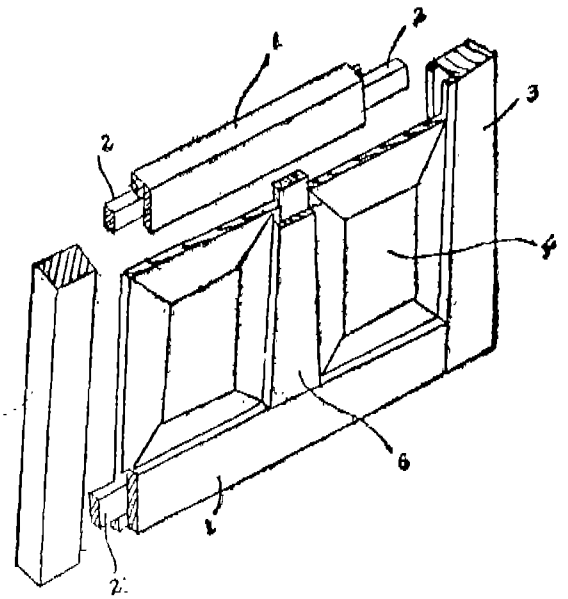
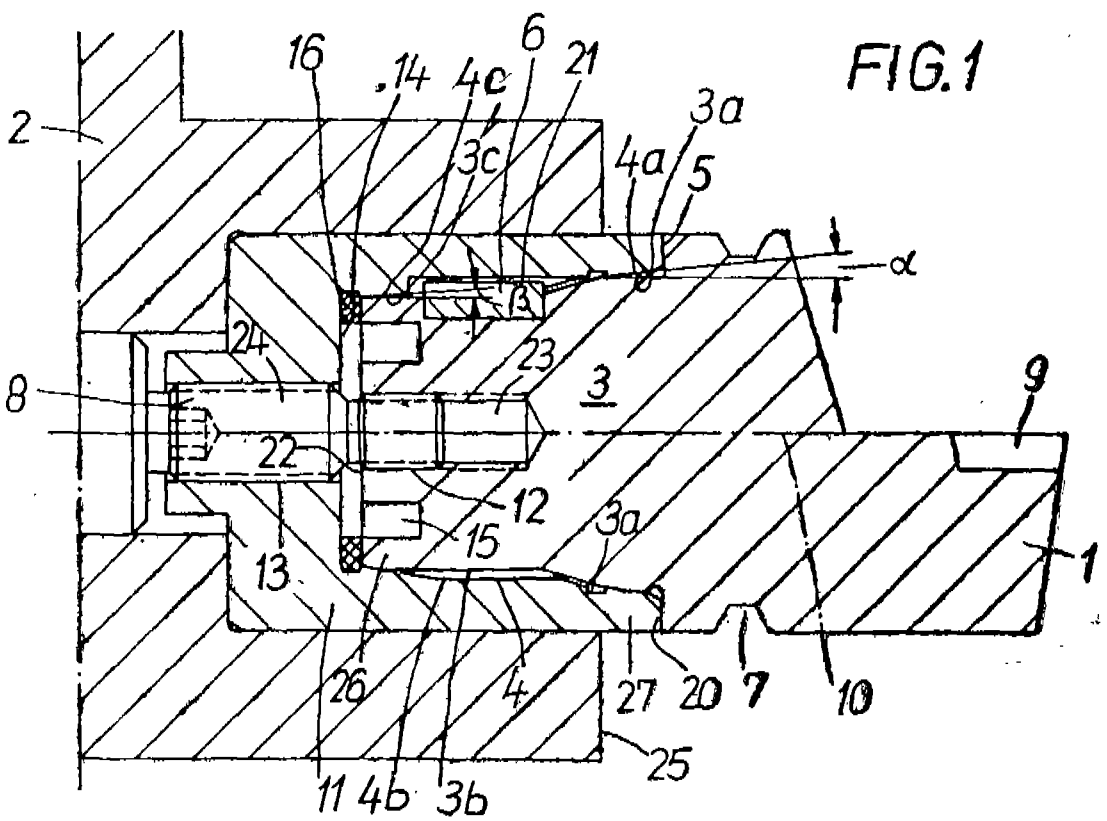


Fig. 1

No. 163618



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